

SYSTEM AND METHOD FOR PROVIDING A SCALABLE
OBJECTIVE METRIC FOR AUTOMATIC VIDEO QUALITY EVALUATION
EMPLOYING INTERDEPENDENT OBJECTIVE METRICS

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ABSTRACT OF THE DISCLOSURE

There is disclosed an improved system and method for providing a scalable objective metric for automatically evaluating the video quality of a video image. The system comprises an objective metric controller that is capable of receiving a plurality of objective metric figures of merit from a plurality of objective metric model units. Some of the objective metric model units are independent and some are interdependent. The system determines a scalable objective metric from the plurality of objective metric figures of merit. The scalable objective metric represents the best correlation of objective metric measurements of the video image with subjective measurements of the video image. The system is capable of continually determining a new value of the scalable objective metric as the plurality of objective metric model units receive new video images.